

In the Claims:

The status of the claims is as follows:

1. (Original) A resonance-frequency measuring method for measuring a resonance frequency of an information recording/reproducing device reproducing information recorded on a medium by driving a mechanism unit, the method comprising:

the measuring step of applying sine-wave oscillations at different frequencies one by one to said mechanism unit, and counting the number of times information reproduced upon application of each of said sine-wave oscillations differs from information indicating an aimed location; and

the resonance-frequency determining step of determining said resonance frequency according to said number of times counted in said measuring step.

2. (Original) The resonance-frequency measuring method as claimed in claim 1, wherein said measuring step applies said sine-wave oscillations to said mechanism unit by adding sine-wave signals at different frequencies one by one to a control signal controlling an actuator to drive said mechanism unit.

3. (Original) The resonance-frequency measuring method as claimed in claim 1, wherein said resonance-frequency determining step judges a frequency of the sine-wave oscillation maximizing said number of times to be said resonance frequency.

4. (Original) The resonance-frequency measuring method as claimed in claim 2, wherein said resonance-frequency determining step judges a frequency of the sine-wave signal maximizing said number of times to be said resonance frequency.

5-14. (Cancelled).